



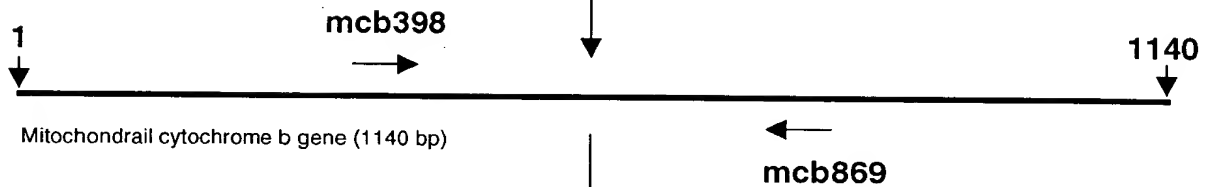
#4



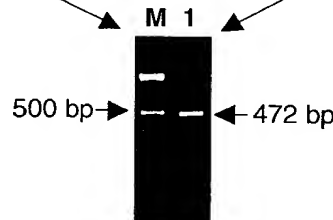
Confiscated biological material of unknown animal origin (*i.e. adul. flesh*)



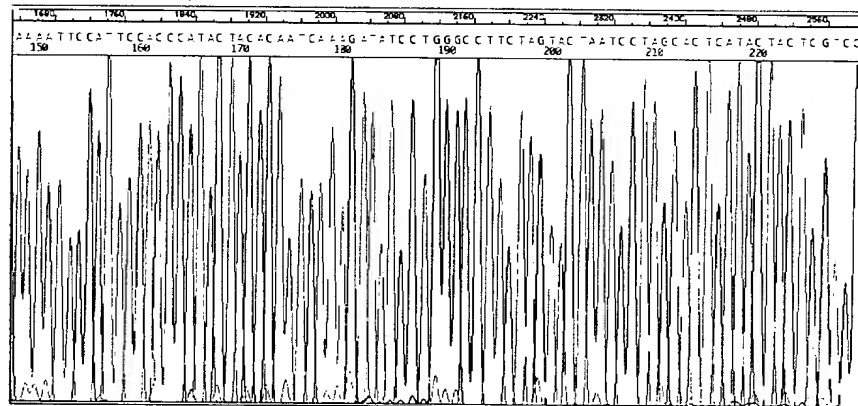
DNA



PCR amplicons (472 bp)



Sequencing using 'ABI Prism 3700' DNA Analyzer



Revealed sequence (328 bp)

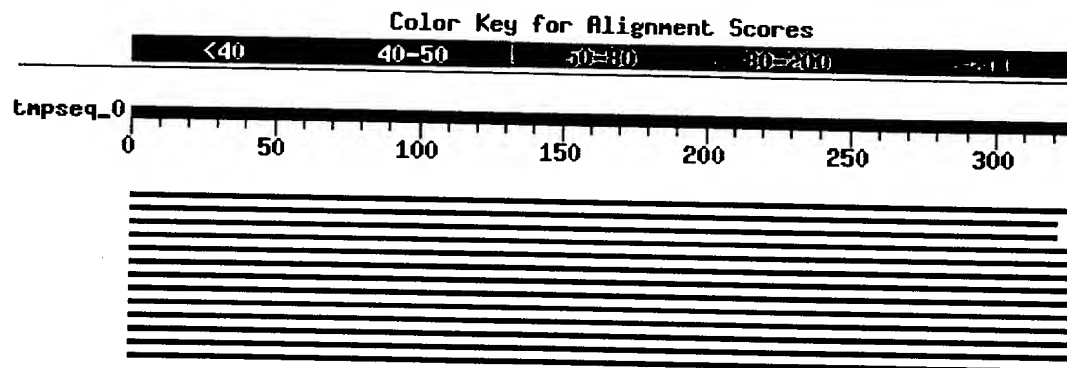
TGAATCTGAGGAGGCTTCTCAGTAGACAAAGCTACCCCTGACAC
GATTCTTTGCCTTCCACTTCATCCTTCCATTTATCATCTCAGC
TCTAGCAGCAGTCCACCTCCTATTCTTCCAGAGACAGGATCT
AACAAACCCCTCAGGAATAGTATCCGACTCAGACAAAATTCCAT
TCCACCCATACTACACAATCAAAGATATCCTGGGCCTTCTAGT
ACTAATCCTAGCACTCATACTACTCGTCCTATTCTCACCAGAC
CTGTTAGGAGACCCCGATAACTACATCCCTGCCAACCCCTCTAA
ATACCCCTCCCATATCAAGCCTGAAT

Figure 1 a

Sequence of cytochrome b gene (328 bp) revealed from biological material of unknown origin i.e. '*adil.flesh*' using primers '*mcb398*' and '*mcb869*'

Homology search in '*nr*' database using '*BLAST*'

<http://www.ncbi.nlm.nih.gov/BLAST/>

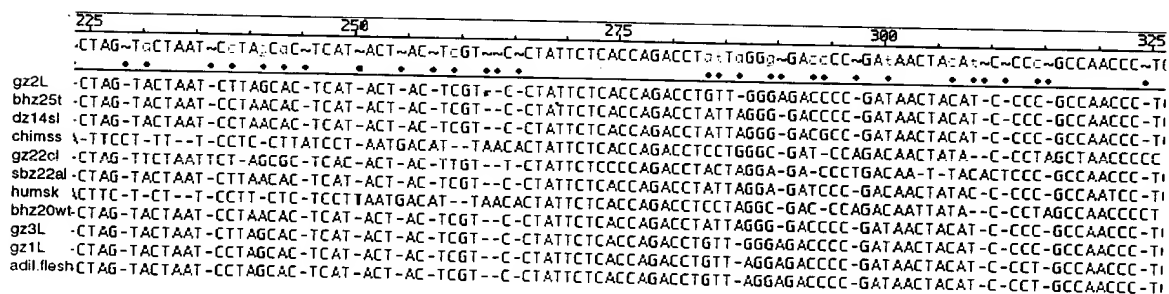


Sequences producing significant alignments:

	Score (bits)	E Value
gb AY005809.1 <i>Panthera pardus</i> cytochrome b gene, partial c...	603	e-170
gb AF053054.1 AF053054 <i>Panthera tigris sumatrae</i> isolate Su1...	527	e-147
gb AF053053.1 AF053053 <i>Panthera tigris tigris</i> isolate B7 mi...	527	e-147
gb AF053050.1 AF053050 <i>Panthera tigris corbetti</i> isolate C2 ...	476	e-132
gb AF053049.1 AF053049 <i>Panthera tigris corbetti</i> isolate C1 ...	476	e-132

Selection of reference animals based on above information
and further analysis using primers '*mcb398*' and '*mcb869*'

Multiple sequence alignments
using '*Autoassembler*'



Figur 1 b

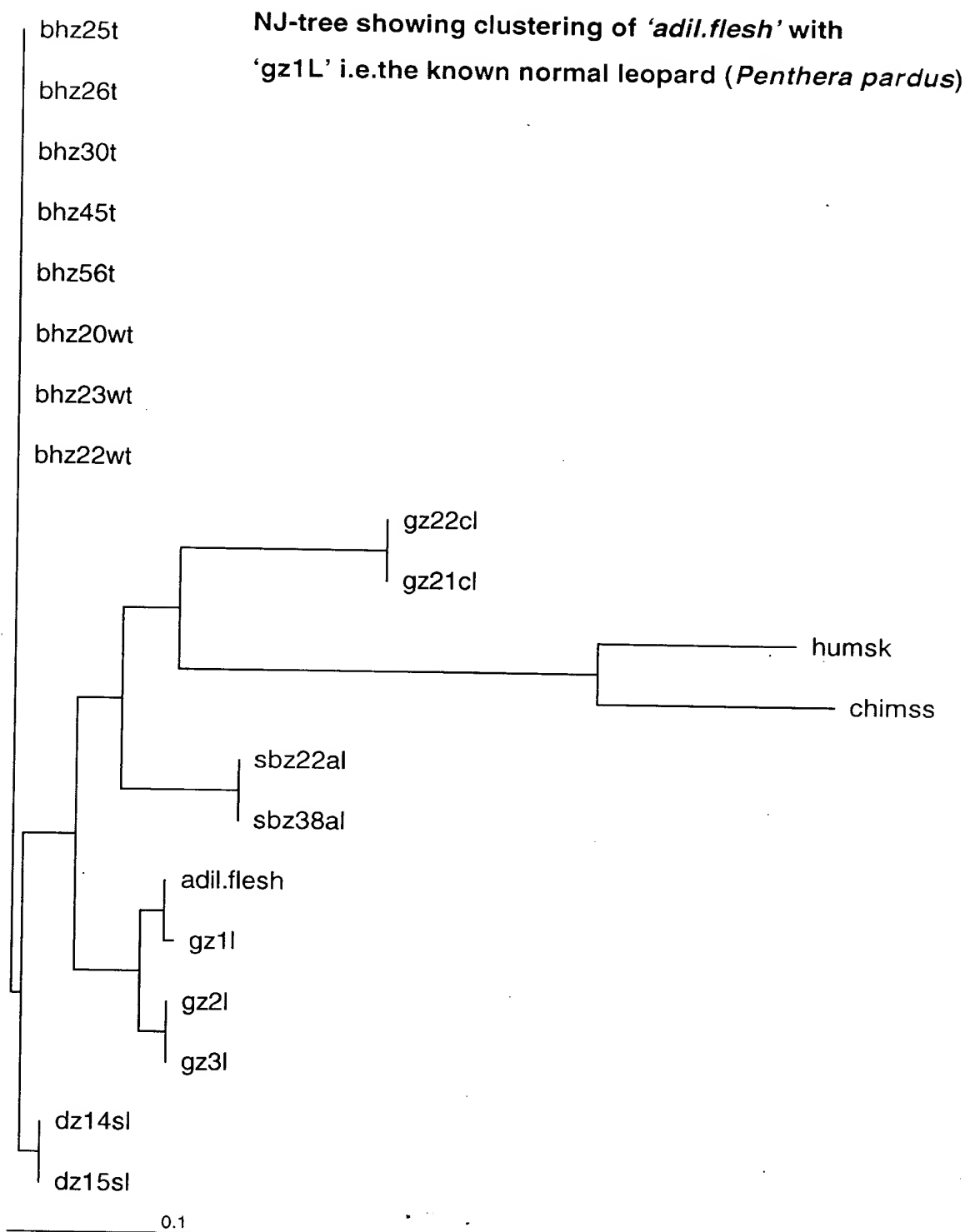


Figure 1c

BEST AVAILABLE COPY

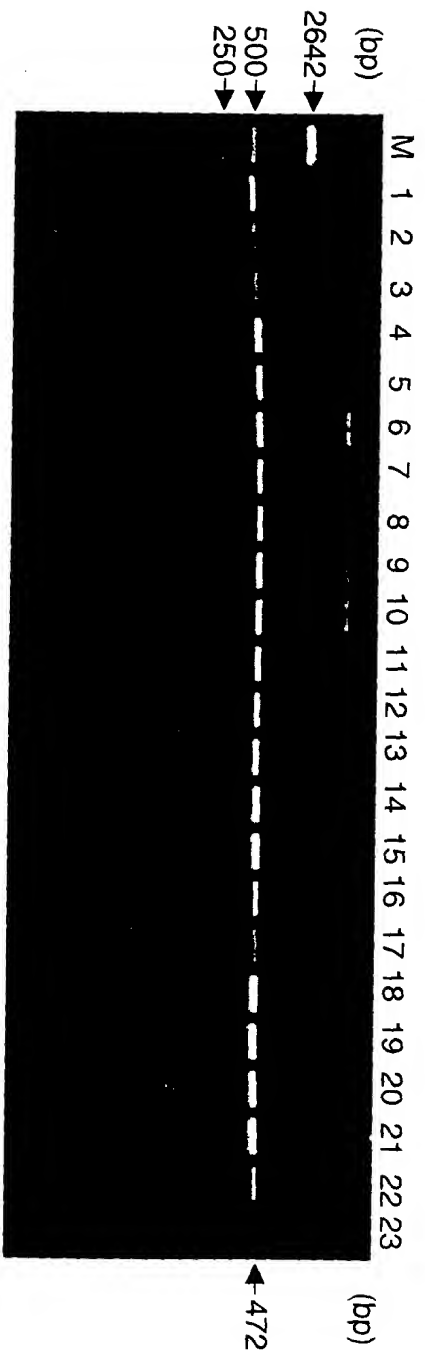


Figure 2

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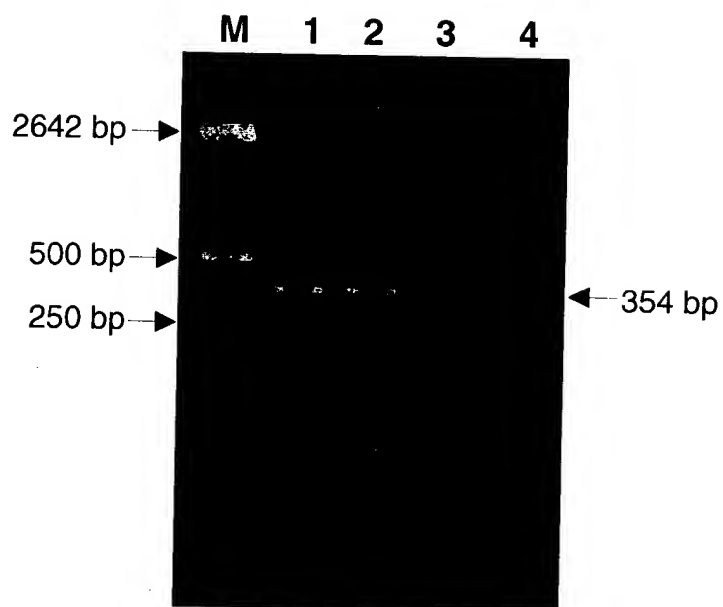


Figure 3

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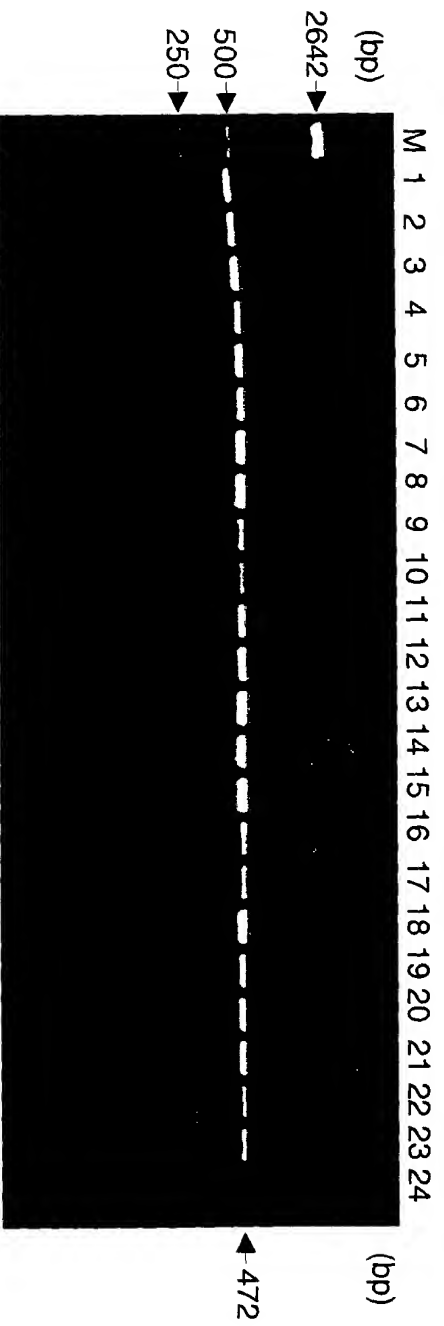


Figure 4